NOTES FOR STL ASSISTANCE

General Notes:
1) General technical support is not included in this spreadsheet but is documented in RSP activity (monthly) r
2) Site specific technical support activities started in FY13, completed in FY13, or currently in progress (pre-F
3) Separate rows are included for each distinct project for a site to aid in table "readability". All entries for a s
4) Any direct contact by the RPM, OSC, or RCRA PM to the ORD TSC without communications to the STL m

Notes on Filling in the Table:	
Column Title	**Information to Include in Entry**
Site Name, Location	Site Name, City, and URL to link to Site Superfund information page. I Multiple projects for the same site should be listed together but in sep
State	2 letter abbreviation
Region	EPA Region number
Client, Title, Division	Project requestor
Request Date, Timeframe, *Completion Date*	Call out ***project completion date*** with bold italics
Project	Describe nature of the request and, when appropriate, include a desc
Support Type (STL, TSCs, ORD Researcher, Other)	List all types that apply for the project.
Technical Support Contacts	Include *both* EPA contact(s) and contractor contact information, where
Brief notes / benefits to program	Describe the anticipated impact of the project and, in general, how it w

STL Interaction Summary Worksheet:

	Number of interactions in the fiscal year	
Division Director	0	
Branch Chiefs assisted	0	
OSCs assisted	0	
RPMs assisted	0	
RCRA CA PMs assisted	0	
Other staff	0	
Total projects assisted	0	(Technical Support Requests for the Same S

eports.
Y13 starts) are included in this table.
ite are listed in sequence for ease of reference.
ay not be reflected in this table.

nclude SSID if readily available.
arate rows.
ription of the technology being evaluated or used.
applicable.
ill contribute to the removal and/or remedial action.

ite/OU are not counted twice)

Site Name, Location	State	Region	Client, Title, Division	Request Date, Timeframe, *Completion Date*	Project	Support Type (STL, TSCs, ORD Researcher, Other)	Technical Support Contacts	Brief notes / benefits to program
Baird & McGuire, Holbrook, MA *http://yosemite.epa.gov/r1/npl_pad.nsf/51dc4f173ceef51d85256adf004c7ec8/275e4271cbf1e432852568ff005adb0e!OpenDocument&Highlight=0,baird*	MA	1	Kimberly White, RPM, Superfund Dorothy Allen, MassDEP	July 2011, December 2012 *(completed)*	The Superfund Site is a 32.5-acre parcel at the former Baird & McGuire Company, Inc. property. It is bordered by the Cochato River to the east and by woodland areas to the north and south. Contamination includes various VOCs, SVOCs, pesticides and arsenic. The site remedial activities are currently managed and funded by MassDEP and was nominated for an optimization review by MassDEP as part of a group of optimization evaluations for three long-term remedies in Massachusetts.	OSRTI	Kathy Yager, Kirby Biggs	The 2011/2012 effort was the second optimization review performed at the site. 1st optimization review report: *http://cluin.org/optimization/reportsDetail.cfm?opEvalID=18* 2nd optimization review report is being finalized and will be posted at: *http://cluin.org/optimization/reportsSitename.cfm* The 2nd B&M optimization review was presented as a case study at the 2012 NARPM Training Program: *http://narpm.trainex.org/materials/694/Practical%20Applications%20and%20Methods%20of%20Optimization.pdf)*

Groveland Wells No. 1 & 2 Groveland, MA *http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0100750*	MA	1	Derrick Golden, RPM, Superfund Janet Waldron, MassDEP	2nd optimization review - July 2011, December 2012 *(completed)* 3rd optimization review - *October 2012, ongoing support*	EPA Region 1 nominated the site for an optimization review on behalf of the MassDEP to optimize the remedy after EPA's completion of in situ thermal treatment (ISTT) in the source area using electrical resistance heating (ERH). This optimization review focuses primarily on site conditions following ISTT implementation.	OSRTI	Kathy Yager, Kirby Biggs	The 2011/2012 effort was the second optimization review performed at the site and a third optimization review is currently being performed to support the site exit strategy. 1st optimization review report: http://cluin.org/optimization/reportsDetail.cfm?opEvalID=63 2nd optimization review report: http://cluin.org/optimization/reportsDetail.cfm?opEvalID=128
Silresim Chemical Corp., Lowell, MA http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0100326	MA	1	Daniel Keefe, RPM, Superfund	(on hold)		OSRTI	Kathy Yager, Kirby Biggs	Project is on hold pending discussion with the Region after thermal heating temperatures stabilize. No need to do anything unless requested by the RPM. Kathy sent an email to Derrick Golden indicating he should contact Kirby Biggs if Region 1 wishes to pursue this project. (Tetra Tech has already cleared the COI on this site)
Fulton Ave, Garden City Park on Long Island, NY http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0203853	NY	2	Kevin Willis, RPM, Superfund	(on hold)	3DVA project support in an effort to identify potential contamination sources.	OSRTI	Steve Dyment	6/10 - 3DVA project support on hold pending performance of contaminant fingerprinting analysis

King of Prussia, Camden, NJ http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0200551	NJ	2	Trevor Anderson, RPM, Superfund	2012 (completed)		OSRTI	Kathy Yager	Kathy Yager received confirmation that no additional support is anticipated for this project. The report memo will not be posted on CLU-IN
Caldwell Trucking, NJ http://www.epa.gov/region2/superfund/npl/0200340c.pdf	NJ	2	Diane Salkie, RPM, Superfund	Nov 2012-*Feb 2013 (completed)*	Reviewed various documents that outline proposed adjustments to the remedial efforts in an area where contaminated groundwater discharges to surface water and attended a meeting with the responsible party (RP) to discuss.	STL	Diana Cutt	Enabled the region and the RP to come to agreement on the data necessary to improve groundwater remediation at the site and reach the remediation goals at this complex fractured rock site.
Cayuga County Groundwater Contamination Site, NY http://www.epa.gov/r02earth/superfund/npl/cayuga/	NY	2	Isabel Rodrigues, RPM, Superfund	Requested on 1/12. *Completed on 2/5/13.* Another request on 4/23/13. A discussion is necessary to determine reasonable period for review.	Provide technical support in a high level meeting with the Regional Administrator and the Cayuga Nation Tribe to discuss the agency's proposed bioremediation approach at the site. Dr. Wilson has also been asked to review a microcosm bench scale test proposed by the responsible party (RP).	GWTSC	John Wilson	Dr. Wilson's assistance enabled the region to effectively communicate with the Cayuga Tribal Nation. A Record of Decision for remedial action was signed in March 2013. Dr. Wilson's continued support allows the region to determine the efficacy of the RP's proposed microbial studies which will help direct the agency's bioremediation design on the fund-lead portion of the site.

Ciba Giegy, Dover Township, NJ http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0200078	NJ	2	Tom Taccone, RPM, Superfund	*Completed*	Provide document review, attendance at meetings, and written comments to Region 2. Optimization process was initiated by the PRP. Support was provided in a PRP meeting where input regarding PRP interpretation of ROD/ESD objectives was made and a review of a Draft Remedial Process Optimization Evaluation Report was conducted.	ARD	Jenn Edwards	
Cidra Groundwater Contamination Site, Puerto Rico http://www.epa.gov/region2/superfund/npl/cidra/	Puerto Rico	2	Adalberto Bosque, RPM, Superfund	Ongoing support	Provide hydrogeologic assistance in the review of the remedial investigation report and the development of remedial alternatives at complex fractured rock site. Attended meetings to provide hydrogeologic expertise for the region.	STL	Diana Cutt	Expedited reviews/meetings will enable the region to achieve a ROD target for the fiscal year.
Cornell-Dubilier Electronics, NJ http://www.epa.gov/region2/superfund/npl/cornell/	NJ	2	Diego Garcia, RPM & Mark Austin, RPM, Superfund	Requested 2/24/13. *Completed 4/29/13*.	Reviewed the remedial investigation report to assess the impact of the groundwater contamination plume on the Bound Brook which is the focus of the OU-4 investigation.	STL	Diana Cutt	The technical assistance will enable the region's contractor to develop sound remedial alternatives for this OU.
Diaz Chemical, NY http://www.epa.gov/region02/superfund/npl/diazchemical/	NY	2	John Dimartino, RPM Superfund & Jeff Catanzarita, ERT	Phone consultations throughout April 2013	Provide assistance in thermal remediation approach and the remediation design for the site.	GWTSC	Eva Davis	The region does not have thermal remediation experience. Dr. Davis' input will aid the region in making sound technical decisions about the thermal remediation design for the site.

Dupont/ Pompton Lakes, NJ http://www.epa.gov/region2/waste/dupont_pompton/index.html	NJ	2	Cliff Ng, RPM, RCRA	Ongoing support	Ongoing hydrogeology support through reviews of various documents including bioremediation pilot studies & results.	GWTSC	Steve Acree	Steven Acree's involvement in the groundwater remediation component of the cleanup project at the DuPont Pompton Lakes Works site ensures that the cleanup approach will be consistent with the current state of the art of groundwater remediation. His expertise and experience and access to resources have demonstrated to be invaluable in the review of proposed innovative alternatives, work plans/reports, and communicating complex science and engineering to the diverse community stakeholders.
Garfield Chromium, NJ http://www.epa.gov/region2/superfund/removal/garfield/	NJ	2	Rich Puvogel, RPM, Superfund	Ongoing support	Provide assistance in the study of hexavalent chromium diffusion into the sedimentary rock matrix at the site.	GWTSC/STL	Rick Wilkin, Diana Cutt	Diffusion of inorganics into sedimentary rock has not been widely studied and there is a need to understand this process. This is important in designing an effective site remediation strategy at this site and other sites with similar rock and contaminant types. This project addresses one of the Region's regional science needs – to develop cost-effective techniques for identifying contamination in fractured rock aquifers.
Hopewell Precision, NY http://www.epa.gov/region2/superfund/npl/hopewell/	NY	2	Lorenzo Thantu, RPM, Superfund	Requested February 2013. Sample analyses ongoing.	Specialized enzyme activity probe analysis to assist in monitoring during the proposed bench scale and pilot studies for enhanced bioremediation at the site	SCMTSC	Bill Hagel, Hope Lee	The work will allow the Region to determine if an enhanced bioremediation approach is necessary and will inform the best remedial decision for the groundwater at the site.

Lehigh Valley, NY http://www.epa.gov/region2/superfund/npl/lehighvalley/	NY	2	Jennifer LaPoma, RPM, Superfund	Ongoing support	Assist the Regional team by providing technical assistance in the review of the Remedial Investigation Report and the Feasibility Study for the contaminated fractured rock aquifer at the site	STL	Diana Cutt	Technical assistance on this complex fractured rock site will enable the region to make technically sound decisions regarding the appropriate remedy at the site.
Maunabo Area Ground Water Contamination Site, Puerto Rico http://www.epa.gov/region2/superfund/npl/0205831c.pdf	Puerto Rico	2	Luis Santos, RPM, Superfund	Attendance at several meetings in April requested. Completed.	Provided hydrogeologic assistance in the review of a document submitted by a PRP regarding another potential course of contamination and attended several meetings with the region and the PRP to discuss.	STL	Diana Cutt	This technical assistance enabled the region to determine that the RI and FS approved last year adequately addressed all potential contamination sources at the site and no additional investigation was necessary.
Maywood Chemical Company, NJ http://www.epa.gov/Region2/superfund/npl/0200665c.pdf	NJ	2	Betsy Donovan, RPM, Superfund	Ongoing support	Review various documents and attend meetings for the development of the contaminated soil feasibility study.	STL	Diana Cutt	Expedited reviews/meetings will enable the region to achieve the ROD target for the fiscal year.
MetalTec/Aerosystems, Sussex County, NJ http://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0200234	NJ	2	Brian Quinn, RPM, Superfund	Requested 9/7/2011, ongoing		OSRTI	Kirby Biggs	Finalization of comments were delayed by Hurricane Sandy. USACE finished draft report and sent it to the Region; Kirby is working with USACE on comments to report.

New Cassel/Hicksville Ground Water Contamination, Hempstead and Hicksville, NY http://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0203974	NY	2	Jennifer LaPoma, RPM, Superfund	Requested 2011, ongoing		OSRTI	Steve Dyment	6/10 - Remedial investigation-stage 3D visualization analysis is pending.
Newtown Creek, NY http://www.epa.gov/region2/superfund/npl/newtowncreek/	NY	2	Caroline Kwan, RPM, Superfund	Requested 10/15/12, *completed 11/15/12.*	Review of a hydrodynamic and sediment transport model and attendance at a workshop with the RP group.	ETSC	Earl Hayter	Earl's participation in the workshop allowed the region to communicate technical issues concerning input parameters, transport models, and how they will be used. This was instrumental in laying the frame work for the modeling efforts for the Site.
Pohatcong Valley Groundwater Contamination, NJ http://www.epa.gov/region2/superfund/npl/pohatcong/	NJ	2	Theresa Hwilka, RPM, Superfund	Requested 3/7/13. *Completed 4/4/13.*	Review of a proposed permeability enhancement pilot study.	ETSC	Mohammad Hantush	Dr. Hantush's review enabled the region to further evaluate data needs required to fully evaluate the proposed study.
Removal Site, NJ	NJ	2	Terry Kish, OSC, Superfund Removal	phone consultations throughout April 2013	Provide technical advice in determining appropriate soil amendments for the reduction of lead levels in soil.	NRMRL	Kirk Scheckel	This technical assistance will allow the OSC to choose the best approach for the reduction of lead soil concentrations to below TCLP concentrations, thereby reducing soil disposal costs.

Richardson Hill Road Landfill, Sidney Center, NY http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0201770	NY	2	Young Chang, RPM, Superfund	Requested 6/21/2011, Complete	The EPA requested a study of optimization opportunities for the remedies at the RHRL and Sidney landfill sites. This optimization review focuses on the groundwater components of the remedies for the two sites and considers soil and sediment contamination only as it may be related to groundwater contamination.	OSRTI	Kathy Yager	Optimization Report: http://cluin.org/download/remed/hyopt/application/rses/superfund_rses/optimizationreview_sidneyrichardsonhill_aug2012.pdf
Ringwood Mines, NJ http://www.epa.gov/region2/superfund/npl/ringwood/	NJ	2	Joe Gowers, RPM, Superfund	Ongoing support	Provide hydrogeologic expertise in various document reviews and meetings for the remedial investigation of the groundwater investigation at this complex fractured rock site in NJ.	STL	Diana Cutt	Technical assistance on this high profile and complex fractured rock site will enable the region to make technically sound decisions regarding the appropriate remedy at the site.
Rockaway Borough, OU2, Morris County, NJ http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0200766	NJ	2	Brian Quinn, RPM, Superfund	Requested 9/7/2011, ongoing		OSRTI	Kirby Biggs	The Region has provided feedback on the draft report comments and the report is being revised.
San Herman Groundwater Contamination, Puerto Rico http://www.epa.gov/superfund/sites/npl/nar1770.htm	Puerto Rico	2	Adalberto Bosque, RPM, Superfund	ongoing	Provided assistance to the region in developing a study to be funded by RARE. The project proposes the use of an innovative tool - the fractured rock passive flux meter - in determining contaminant mass flux and groundwater velocity in a contaminated aquifer in Puerto Rico	GWTSC/STL	Michael Brooks, Lynn Wood/Diana Cutt	The primary goal of the project is to improve the measurement of groundwater flow and flux in fractured bedrock systems. This project addresses one of the region's science needs – to develop cost-effective techniques for identifying contamination in fractured rock aquifers.

San Herman Groundwater Contamination, Puerto Rico http://www.epa.gov/superfund/sites/npl/nar1770.htm	Puerto Rico	2	Adalberto Bosque, RPM, Superfund	Jan-Feb 2013	Assisted Regional and ORD staff in preparing and presenting a STL Extramural Funding Proposal - a vapor intrusion indoor air study that proposes testing cost effective alternative sampling methods-passive samplers - in Puerto Rico.	NERL/STL	Brian Schumacher/Diana Cutt	The project will work to further one of Region 2's identified science needs – developing alternative method(s) for assessing effectiveness of vapor intrusion mitigation systems, including standard operational procedures and quality control performance criteria for such measurements.
Sidney Landfill, Sidney Center, NY http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0201764	NY	2	Young Chang, RPM, Superfund	Requested 6/21/2011, Complete	The EPA requested a study of optimization opportunities for the remedies at the RHRL and Sidney landfill sites. This optimization review focuses on the groundwater components of the remedies for the two sites and considers soil and sediment contamination only as it may be related to groundwater contamination.	OSRTI	Kathy Yager	Optimization Report: http://cluin.org/download/remed/hyopt/application/rses/superfund_rses/optimizationreview_sidneyrichardsonhill_aug2012.pdf
Upjohn Facility, Puerto Rico http://www.epa.gov/region2/superfund/npl/upjohn/	Puerto Rico	2	Adalberto Bosque, RPM, Superfund	requested 4/16/2013, due 5/16/13	Provide hydrogeological assistance in the five year review.	STL	Diana Cutt	
Vieques Island/Atlantic Fleet Weapons Training Area, Puerto Rico http://www.epa.gov/region2/vieques/	Puerto Rico	2	Danny Rodriguez, RPM & Julio Vasquez, RPM, Superfund	Ongoing support (STL)	Review various technical documents for the assessment and remediation of impacted soil and groundwater on the island.	STL/GWTSC	Diana Cutt/ Scott Huling	The GWTSC (Scott Huling) provided targeted support with the evaluation of an in situ oxidation pilot study. The STL's technical assistance on this high profile site will enable the region to make technically sound decisions regarding the appropriate remedies at the site(s).

Clearview Landfill, Philadephia and Delaware Counties, PA http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0305521	PA	3	Josh Barber, RPM, Superfund	Requested 12/12/2011, ongoing	Currently providing 3DVA-based CSM visualization support for the design and performance of a RI investigation	OSRTI	Steve Dyment	

Fike/Artel Chemical, Nitro, West Virginia http://www.epa.gov/reg3hwmd/npl/WVD047989207.htm	WV	3	Darius Ostrauskas, RPM	Requested in 2010 - Ongoing support since.	Reviewed and provided preliminary comments on the PRP document "Response to EPA Comments" on the Remedial Design for Groundwater ISCO Operations – Phase 1A" at the Fike Chemical site in Nitro, WV. The PRP's are looking to ramp up ISCO injections of persulfate to oxidize hexamethylphosphoramide (HMPA) in the subsurface, but EPA is concerned about the radius of influence and possible displacement (in lieu of degradation) of the contaminant. Assisting the RPM, regional hydrogeologist and Scott Huling of the GW TSC on how to respond to the PRP's revised remedial design. Subsequently, participated on a call with the Fike Trust PRP Group to discuss EPA concerns regarding the draft preliminary design submitted by the Trust on the ISCO Technology remedy at this West Virginia site.	STL/GWTSC	Bill Hagel, Scott Huling, Dave Burden	Ongoing support by ORD has revealed several fatal flaws in the PRPs plans to conduct a pilot scale and full scale implementation of the ISCO remedy at the site. ORD input has resulted in a more realistic pilot scale study that will provide a greater level of certainty in designing the full scale ISCO operation. This will result in cleanup levels for HMPA being achieved in a reasonable timeframe and a greater loevel of certainty that contaminants in the ground water have acutally been remediated.

GE Morgantown Site		3	Diane Schott - RCRA Project Manager	December 2012 - Ongoing	Reviewed and approved a technical directive for Battelle to provide support at this RCRA site. SCM-TSC will review the Facilies sampling approach for metals leaching out of flyash fill at the facility. The ability of the bioenhancement remedy being implemneted at the facility will also be evaluated.	STL/SCMTSC	Bill Hagel/Felicia Barnett	ORD input into this Corrective Action remedy will provide the EPA project manager with the techical input necessary to compel the Facility to stick with or change their remedy.
North Penn Area 6, Landsdale, PA http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0301733	PA	3	Kristine Matzko, RPM, Superfund	Requested Date NARPM 2011, Complete	Provide potential opportunities to improve five OU3 groundwater remedy systems and to identify potential options for replacing or supplementing the existing remedies.	OSRTI	Kirby Biggs	Optimization Report: http://cluin.org/download/remed/hyopt/application/rses/superfund_rses/northpennarea6optimizationevaluationapril2012.pdf
Peck Iron & Metal Site, Portsmouth, VA http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0306115	VA	3	Debbie Rossi, RPM	December 2012, Complete	Provided ongoing support by arranging for an optimization study conducted by OSWER. In this Fiscal Year, reviewed and commented on the draft and final Optimization Report submitted to the RPM by OSWER. Provide comprehensive feedback to OSWER on the optimization process at this site. Solicited and received statistical analysis support through the SCM-TSC and organized a conference call to initiate the effort.	STL/OSRTI/ SCM-TSC	Bill Hagel/Steve Dyment/Felicia Barnett	The optimization report made recommendations that the region accepted which will create efficiencies in sampling and analysis and well as reducxe the uncertainty. The ISM statistical analysis completed bthrough the SCM TSC gives the region a blueprint for designing a sampling plan that will meet a 95% UCL of certainty. Optimization Report: http://clu-in.org/download/remed/hyopt/application/rses/superfund_rses/final_peck_iron_optimization_report_feb2013.pdf

Salford Quarry Site, Salford, PA http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0301486	PA	3	Sharon Fang, RPM	November 2012 - Ongoing	Met with RPM Sharon Fang and site hydrogeologist Mindi Snoparski to determine if ORD can support a treatability study for Boron contaminated water at the Salford Quarry Superfund Site, Salford, PA. Contacted John McKernan, director of the Engineering Technical Support Center who agreed to provide the support. Conducted a call between R3 scientist and Duke University to plan a bench scale treatability study of boron contaminated groundwater at the site. Also met with R3 RPM and Hydrogeologist and conducted a call with E-TSC Director John McKernan to examine all options to provide Boron speciation analysis for the site's groundwater.	STL/ETSC	Biill Hagel/John McKernan	In the next few weeks we will determine if either ETSC or SCMTSC can provide funding support to allow for Boron speciation at this site. If this can occur, the data is essential in designing the treatment unit needed to implement Operable Unit 1 - consolidation and capping of contaminated soils. It will also accelerated the selected remedy for Operable Unit 2 - Groundwater Cleanup.

American Creosote Works, Jackson, TN, http://www.epa.gov/region4/superfund/sites/npl/tennessee/amercretn.html	TN	4	Rachel McCullough, RPM, Superfund	Requested on 10/31/2012, 6 month timeframe, on-going	Prepare a work plan for a Laser Induced Florescence (LIF) study to support additional characterization of the subsurface at the site. The additional LIF characterization will focus on the two most affected areas that were not addressed in the previous LIF study. These areas are identified through site samples to the northwest and southwest boundaries of the site. Include a general cost estimate of performing the LIF field work and data evaluation.	STL/SCMTSC / ORD Researcher	Felicia Barnett; Bill Hagel; Eva Davis	The LIF characterization shall quantify addition contamination requiring remediation and be used to support an evaluation of excavation or Electric Heating Resistance (ERH) technology as a possible remediation option.
Marine Corps Recruit Depot, Parris Island, SC, http://www.epa.gov/region4/superfund/sites/fedfacs/parisiudptsc.html	SC	4	Lila Llamas, RPM, SF	On-going for several years	ISCO Treatability Study using Permanganate to oxidize PCE and daughter products at Site 45 Southern Plume Source Zone. Emphasis on creating Site Characterization SOP for successful ISCO treatments.	ORD Researcher and his contractor, Kerr Labs	Scott Huling and Bruce Pivetz	Intended to result in National SOP; will concurrently provide detailed site characterization of southern source zone; will effectively remediate southern source zone.

Marine Corps Recruit Depot, Parris Island, SC, http://www.epa.gov/region4/superfund/sites/fedfacs/parisiudptsc.html	SC	4	Lila Llamas, RPM, SF	On-going for several years	LNAPL Site Characterization and treatment expertice needed to help negotiate completions of RI characterization, RI Report findings and conclusions, FS Report, pre-design work plan, ROD, and RAWP/RACR.	ORD Researcher and his contractor, Kerr Labs	Scott Huling and Bruce Pivetz	Helped characterize very complex site conditions including LNAPL containing a soupy mixture from diesel to benzenes and chlorobenzenes with major components of DDX, BHC, and many other pesticides both excavated and redistributed as well as trapped beneath a clay layer in the saturated zone resulting in irregular smear zone patterns, widespread pesticide plumes, etc. making delineation difficult. Helped resolve Navy and EPA disagreement on CSM, Mass calculations, remedial technology evaluations, etc. Will need assistance through remedial design and WP as well as RACR.
Sangamo Weston, Inc./Twelve-Mile Creek/Lake Hartwell, SC, http://www.epa.gov/region4/superfund/sites/npl/southcarolina/sangsc.html	SC	4	Craig Zeller, RPM, Superfund	Requested on 10/2/2012, one month, *completed.*	Dr. Marc Mills is providing an Executive Summary level document on past research he conducted in Region 4. The topic is PCB impacts on food webs and riparian risk at Lake Hartwell	ORD Researcher	Dr. Marc Mills,	Region required the update to use in ecological risk evaluation to determine remediation requirements.
Kerr-McGee Creosote, Columbus, MS, http://www.epa.gov/region4/superfund/sites/npl/featuredsite/kermmsfeatured.html	MS	4	Charles L. King, RPM, Superfund	Requested on 10/15/2012, on-going as necessary.	Dr. Paul McCauley is investigating the potential for bio-remediation of creosote soils.	ETSC	John McKernan; Dr. Paul Mc Cauley	RPM required Dr. Paul's bio-remediation expertise to help him evaluate his remediation options.

Paducah Gaseeous Diffusion Plant (USDOE), Paducah, KY, http://www.epa.gov/region4/superfund/sites/fedfacs/pgasdifky.html	KY	4	Jennifer Tufts, RPM, Federal Facilities	Requested in September 2012, Completed October 17, 2012	Review of the "Supplemental Technical and Cost Evaluations of In Situ Chemical Oxidation and Steam Enhanced Extraction for the Phase IIB Portion of the C-400 Interim Remedial Action at the Paducah Gaseous Diffusion Plant" September 14, 2012.	STL/GWTSC	Dave Burden, Felicia Barnett,	Provided comments on the Terra Therm Model Results and Approach Memorandum by Geosyntec Consultants, and the comments contained in the transmittal letter from the Department of Energy (DOE). The evaluation addressed concerns about the placement of the steam injection and extraction wells to remediate the in the Regional Gravel Aquifer (RGA) in the C-400 Area in a cost effective manner.
Paducah Gaseeous Diffusion Plant (USDOE), Paducah, KY, http://www.epa.gov/region4/superfund/sites/fedfacs/pgasdifky.html	KY	4	Jennifer Tufts, RPM, Federal Facilities	Requested on 9/18/2012, 2 months, *completed.*	Review of the 60% Remedial Design Report In Situ Source Treatment Using Deep Soil Mixing for the Southwest Groundwater Plume Volatile Organic Compound Source	STL/GWTSC	Felicia Barnett; Dave Burden, Eva Davis	Review of 60% Design for scientific accuracy and efficiency prior to move forward to final design. Comments recommended a more detailed design and rationale for the design criteria to demonstrate that the deep soil mixing technology using large diameter augers (LDA) can achieve the cleanup criteria for the Oil Landfarm area. It was also recommended that a pilot scale implementation of the technology be performed to demonstrate that the technology can achieve the established cleanup and operational criteria.
Tronox, Meridian, MS	MS	4	Kimberly Gates, PM, RCRA	Requested on 3/6/2013, on-going, conference calls over next few months	Provide expert assistance to RCRA and state project manager by answering questions on the development of a sampling and remediation evaluation plan for a wood treatment facility	ETSC	Ed Barth	PM and State are not familiar with wood treatment facilities and assistance will aid in developing a comprehensive and cost effective sampling and remediation plan for a site where funding it limited due to bankrupcy

Anniston Army Ammunition Plant, Anniston, AL, http://www.epa.gov/region4/superfund/sites/fedfacs/anarmydptal.html	AL	4	Brett Thomas, Ecologist, Patricia Goldberg, RPM, Superfund	Requested on 3/13/13. Evaluation and information on options was sent on 3/14/13. Once a plan is determined, additional review will be provided.	Support for a possible statistical review of the pygmy sculpin fish data taken from a toxicological study performed testing TCE effects in relation to site concentrations.	STL/SCMTSC	Felicia Barnett; Anita Singh, Lockheed	Previous evaluation studies have been inconclusive and review of different data sets and/or a modification to the tests is being considered. The SCMTSC provided infromation on ways to analyze the different biosensor data, and a timeline. The analysis might be t-tests, as was done for some of the data before, or more of the trend analyses as was done for the 2012 tests. The Army wants the numbers for their plan to see what they want to move forward with. The analysis of this existing data might be one option, and some additional biosensor testing might be another or additional option. The analysis of these existing data would aid the Region and Army in designing any upcoming tests to determine if specfic ecological effects and protections for the endangered fish is required.
Velsicol, Hardeman County, TN, http://www.epa.gov/region4/superfund/sites/npl/tennessee/velsicoltn.html	TN	4	John Nolen, RPM, Superfund	Requested on 1/28/13. On-going with 5 month completion time	Review design documents for a large soil vapor extraction remedial action	GWTSC	Dave Burden, John McKernan	Review of design for scientific accuracy and efficiency prior to move forward to final design.

Barite Hill Mine, McCormick, SC, http://www.epa.gov/region4/superfund/sites/npl/southcarolina/bhilngldflsc.html	SC	4	Candice Jackson, RPM, Superfund	Requested and *completed in Nov 2012*	Gold mining expertise to address RPM questions	ERT/ETSC	Greg Powell; Barbara Butler	The RPM requested contact information on persons with gold mining expertise to determine if there is enough gold left in the tailings and process pond at the site to consider gold recovery as part of the cleanup process. Greg Powell in ERT and Barbara Butler in Cincinnati agreed to speak with the RPM on what they know of gold removal. However, given that the concern is about the mining process to collect gold during the removal and the equipment and work required, it was also recommended that the RPM contact the Colorado School of Mines and other western universities associated with mining that may have specific information on the gold mining extraction process.
Marshall Space Flight Center, Huntsville, AL, http://www.epa.gov/superfund/sites/rods/fulltext/r0400073.pdf	AL	4	Leigh Lattimore, RPM, Federal Facilities	Requested on 1/22/13. Completed example information sent on 1/29/13 . Will review MSRC work when it is completed.	Region 4 RPM requested support on a method for determining the background concentrations at the site related specifically to the Space Flight Center given it is located within another federal facility with contaminated areas (Redstone Arsenal).	STL/SCMTSC	Felicia Barnett; Anita Singh, Lockheed	After review of the site data, the STL met with the site risk assessor to recommend the use of statistical and formalized graphical methods to extract site specific background numbers from the available onsite data set. On Jan 29, the STL with support from the SCMTSC provided the RPM and the MSFC contractor with a document explaining how to statistically extract the background data set along with study examples. The STL and the SCMTSC have agreed to respond to questions on the process from MSFC and review their final analysis of the data to assist in determining final site background level threshold values

Tydall Air Force Base, Panama City, FL, http://www.epa.gov/region4/superfund/sites/fedfacs/tynafbfl.html	FL	4	Julie Corkran, RPM, Federal Facilities	Requested on 1/09/13, completed and example information sent on 2/6/13	Review Air Force documents to determine if • The 2008 and 2012 reports utilized statistical methods in a defensible manner and as anticipated per EPA guidance (yes/no/why?) to estimate constituent-specific background concentrations for the site; • Air Force modifications to the background method (purported to impart additional conservatism to the background estimates) are defensible.	SCMTSC	Felicia Barnett; Anita Singh, Lockheed	Instead of using highly conservative estimates of UBLs (UCLs based upon kriging estimates), it is recommended that the TAFB makes sure that all delineated site-specific background data sets represent defensible background data sets. Once defensible background data sets have been derived, the TAFB should use statistics providing proper balance between false positives and false negatives to compute UBLs.Keeping conservatism in mind, it is recommended to use UTL95-90 to compute UBLs based upon defensible delineated background data sets. Defensible data sets will aid the Region in developing a scientific and cost saving risk assessment to protect public health.
Oak Ridge (DOE) Y-12 Mercury Contamination, Oak Ridge, TN, http://www.epa.gov/region4/superfund/sites/fedfacs/oakridrestn.html	TN	4	Jeff Crane, RPM, Federal Facilities	Requested in October 2012 for on-going support on conference calls as needed.	ORD expertise to support discussions with DOE on the leaching of mercury DNAPL from contaminated soils around the Y-12 plant.	ETSC	Paul Randall	The Region requested someone with TMDL leaching experience to respond to questions and concerns in discussions with DOE about the potential of the mercury to affect the site groundwater.

West Florida Natural Gas, Ocala, FL, http://www.epa.gov/region4/superfund/sites/npl/florida/wflnatgasfl.html	FL	4	Robenson Joseph, RPM, Federal Facilities	On-going support since 2009	ORD expertise to support discussions with PRPS about inclusion of ISCO and Thermal treatment as potential remediation technologies.	GWTSC	Eva Davis; Scott Huling	Without ORD support, additional potential remedial options would not have been considered for evaulation in the RI/FS which could lead to inadequate design and remediation of the contaminants and additional cost. Treatability Studies have been developed for the site based on ORD review comments, and ORd has been instramental in reviewing site documents to make sure the science and technologies are developed properly to given accurate results.
Olin, McIntosh, AL, http://www.epa.gov/region4/superfund/sites/npl/alabama/olincpal.html	AL	4	Beth Walden, RPM Superfund	On-going Support since 2011	Providing mercury technical expertise. The contractor regularly attended meetings, conference calls, reviewed deliverables and provided comments.	ETSC	Sandip Chattopadhyay, TetraTech.	Contractor has provided a much needed resource in mercury fate and transport, as well as cap modeling to determine adequate treatment technologies.
Arkla Terra Property, Thonotosassa, FL, http://www.epa.gov/region4/superfund/sites/npl/florida/arkterprofl.html	FL	4	Beth Walden, RPM Superfund	On-going support since 2012	ORD-Ada has provided technical expertise in in-situ thermal heating. The support has included reviewing deliverables, attending conference calls, and providing written responses to facilitate the operation of the system. ORD routinely monitored the website which provided the real-time monitoring of the system.	GWTSC	Eva Davis	ORD has made needed recommendations for more efficient operations and system shutdown.

Tower Chemical, Clermont, FL, http://www.epa.gov/region4/superfund/sites/npl/florida/towchemfl.html	FL	4	Jan Rogers, RPM, Superfund			ORD Researcher		
LCP - Caustic Brine Pool, Brunswick, GA, http://www.epa.gov/region4/superfund/sites/npl/georgia/lcpchemga.html	FL	4	Jan Rogers, RPM, Superfund			ORD Researcher		
Allied Paper-Portage Creek-Kalamazoo River, Kalamazoo, Michigan http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0502325	MI	5	Michael Berkoff, RPM, SFD	Request: April 10 Duration: 3 days *Completion: April 12*	Information on ORD for the Mayor of Kalamazoo.	STL	Charles Maurice	Internal and external familiarity of ORD, what it does, where it is located.
Belvidere Landfill, Belvidere, Illinois	IL	5	Thomas Smith, RPM, SFD	Request: April 1 Duration: 2 days *Completion: April 2*	Information regarding vegetation at the landfill.	STL	Charles Maurice	RPM needed authoritative information regarding vegetation at the landfill for evaluation of maintenance for the 5-year review.

Madison-Kipp Corporation (MKC) Foundry, Madison, Wisconsin	WI	5	James Ursik, Geologist, SFD; Mark Johnson, Regional Dir/Sr Health Sci, ATSDR; and Wisconsin (WDNR & WDHS)	Request: April 11, Duration: ongoing, *Completion: May*	Expert review and evaluation of PAH fingerprinting methodology and results.	ORD Researcher via SCMTSC	Joachim Pleil	ATSDR is working with WDNR and WDHS on the MKC site, an operating foundry embedded in a residential community. ATSDR requested expert ORD support to review a PAH fingerprinting analysis conducted on contaminated residential soil from adjacent to the site. MKC had Arcadis conduct fingerprinting analysis to determine whether PAHs in the residential soils had come from the facility. Arcadis concluded the PAHs matched an “urban dust” profile, not attributable to the facility. Neither Wisconsin nor ATSDR have the required expertise to review the 70+ page Arcadis report. WDNR is particularly wary about setting a precedent by accepting the Arcadis fingerprinting approach.
Matthiessen & Hegeler Zinc, LaSalle, Illinois http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0507364	IL	5	Demaree Collier, RPM, SFD	Request: Jan. 15 Duration: ongoing Completion: reviews & conference calls over next several months	Review of draft Feasibility Study (FS) and associated remediation alternatives followed by continuing support through revision and finalization of the final FS Report.	ETSC and budget frozen contract	Edward Barth	The Matthiessen and Hegeler Zinc (M&H Zinc) Superfund site is a very large, old, and complex zinc smelting facility. It is listed on the National Priorities List (NPL) as one site, but has both Fund-led and Responsible Party (RP) -led portions that must be combined to create one comprehensive FS Report for one Record of Decision (ROD). The RP portion contains a large slag pile adjacent to a river, as well as an operating chemical plant.

Peters Cartridge Factory, Loveland, Ohio http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0507087	OH	5	Pamela Moliter, RPM, SFD	Request: Dec. 31 Duration: 1 month Closed: Jan. 30	ETSC interested in evaluating efficacy of the onsite disposal cell to be constructed onsite adjacent to a river.	(ETSC)	(Edward Barth)	ETSC interested in site because it was newly listed on the NPL during fall 2012, it is relatively close to ORD-Cinn Lab, and because onsite disposal cell was to be constructed onsite, adjacent to the Little Miami River. Ultimately the RPM decided to use a contractor who had been working at the site.
RACER Trust, Moraine, Ohio	OH	5	Mirtha Capiro, CAPM, RCRA, LCD	Request: Mar. 27 Duration: ongoing Completion: reviews & conference calls over next several months	Review of the Corrective Measures Report with special attention to the accuracy of the Conceptual Site Model (CSM), consideration of corrective measures options, and remedy selections to reduce VOC levels (i.e., vapor intrusion threat) in the upper aquifer beneath a residential area.	GWTSC	David Burden	Facility consists of a complex of 3 former General Motors Corporation facilities which was renamed to the Revitalizing Automobile Communities Environmental Response (RACER) Trust following bankruptcy of the former a few years ago. Evaluate current status of VOC contamination employing the 2012 annual Site-wide Groundwater Monitoring Report as well as historical groundwater data in annual reports going back to 2002. Use the resulting CSM to evaluate the corrective measures alternatives and selections.
Wastewater Treatment Options Costs	OH	5	Edward Barth, Engineer, ETSC	Jan. 7-8	Tracking down best person in R5 to answer Ed's questions about WW treatment costs which he was investigating for a WW treatment plant in Ohio.	STL & R5 Water Division	John Wiemhoff	
wetland, Woodridge, Illinois	IL	5	Mary Ann Suero, Children's Health Advocate, LCD	Request: Apr. 5 Duration: 1 day *Completed: Apr. 5*	Inquiry on behalf of a citizen concerned about an overgrown, but protected wetland located behind a school. The wetland apparently harbors gang activity and local officials won't do anything about it because it's protected.	STL	Charles Maurice	I provided information regarding both the wetland and potential contacts for further information and action.

Bond & Bond/Nav 046 Site, Shiprock, NM	NM	6	Steve Linder, RPM	Request: 4/5/12, ongoing	Review of site documents, CSM, provide recommendations on remedial strategy	OSRTI	Ed Gilbert	The report is currently being finalized.
East 67th Street Groundwater Plume, Ector County, TX http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0606614	TX	6	Vincent Malott, RPM, Superfund	Request: 7/24/12, ongoing		OSRTI	Kirby Biggs	This is an RSE-lite. A meeting to discuss the site took place during the Region 6 optimization portfolio effort 4/23-4/25. The draft optimization report is being developed.
Jones Road Ground Water Plume, Harris County, TX http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0605460	TX	6	Camille Hueni, RPM, Superfund	ongoing		OSRTI	Kirby Biggs	A site visit took place on 4/18 and a site meeting took place during the Region 6 optimization portfolio effort 4/23-4/25. The draft optimization report is being developed.
Longhorn Army Ammunition Plant (Longhorn) Superfund site, Karnack, TX http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0603606	TX	6	Rich Mayer, RPM	Requested 01/03/13, 30 days, *completed 01/14/13*	Review of Draft Remedial Investigation/Feasibility Study (RI/FS) for the Longhorn Superfund site's (TX) Operating Unit (OU) 03 (Former Paint Shop).	STL	Terry Burton	STL Burton reviewed the draft Remedial Investigation/Feasibility Study (RI/FS) for the Longhorn Superfund site's (TX) Operating Unit (OU) 03 (Former Paint Shop). Only a few options were provided, which concerned the Remedial Project Manager (RPM). However, given the relatively small size of the OU, STL agrees with the Army's proposed plan of action for excavation and off-site disposal. However, STL cautioned the RPM that confirmatory sampling must be conducted before the remedy can be considered complete.

Longhorn Army Ammunition Plant (Longhorn) Superfund site, Karnack, TX http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0603606	TX	6	Rich Mayer, RPM	Requested mid-December 2012, events occurred Jan. 8 and 9	Travel to public meetings to support remedial activities	STL	Terry Burton	STL answered numerous informal questions from the community regarding the progress of the site's remedies. A slight majority of the questions concerned remedial time frames and financial stewardship of government funds.
Longhorn Army Ammunition Plant (Longhorn) Superfund site, Karnack, TX http://cfpub.epa.gov/supercpad/cursites/csitinfo.cfm?id=0603606	TX	6	Rich Mayer, RPM	Requested mid-December 2012, events occurred Jan. 9 and 10	Site Inspection at selected Operating Units of the Longhorn site	STL	Terry Burton	At the request of the RPM, STL conducted site inspections at the Longhorn Superfund site. Areas inspected included the former decommisioning area of the "Pershing" missiles; 2 closed landfills (both showing evidence of animal intrusion, subsidence, and erosion from missing groundcover); the groundwater treatment plant (showing evidence of leaking/corroded tanks, leaking/corroded plumbing runs, and a ruined catalytic oxidizer); and the novel remedy at OU 37, which is now completely installed and ready for operation.
Longhorn Army Ammunition Plant (Longhorn) Superfund site, Karnack, TX	TX	6	Rich Mayer, RPM	Requested 3/6/13, 9 days, *completed 03/14/13*	Review of Draft Remedial Action Work Plan for OU 50 (Former Waste Disposal Facility) of the Longhorn Army Superfund site.	STL	Terry Burton	STL comments included: the need for an improved confirmatory-sampling regime; highlighting a road that is unsuitable for fill trucks; and a caution that a stable plume alone can not be an automatic indicator of natural attenuation conditions.